DEVICE FOR CARRYING MILK BOTTLES

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INVENTOR

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2 Claims. (Cl. 294—87.2)

1 This invention relates to bottle-carrying devices, and more particularly to a device for carrying milk bottles.

A main object of the invention is to provide a novel and improved carrier for bottles and the like, said carrier being very simple in construction, being easy to manipulate, and enabling two bottles to be carried with one hand.

A further object of the invention is to provide an improved carrier for milk bottles, said carrier being very inexpensive to manufacture, being sturdy in construction, and allowing two bottles to be comfortably carried without risk of breakage of the bottles, while employing one hand.

Further objects and advantages of the invention will become apparent from the following description and claims, and from the accompanying drawings, wherein:

Figure 1 is a fragmentary side elevational view of a pair of milk bottles engaged at their neck portions by the carrying elements of a bottle carrier constructed in accordance with the present invention;

Figure 2 is a top plan view of the bottle carrier employed in Figure 1;

Figure 3 is a cross-sectional detail view taken on line 3—3 of Figure 1.

Referring to the drawings, 11, 11 designates a pair of milk bottles, said milk bottles being engaged at their neck portions by the looped arms 12, 12 of a bottle carrier, designated generally at 12. The carrier 13 is made up of a single piece of wire of substantial stiffness, said wire being bent upwardly at 14, 14 to define a central portion 15 on which is mounted a cylindrical handle 16, said handle being freely rotatable on the wire body portion 18. The wire portions adjacent the ends are bent inwardly to form the loop elements 12, 12, which form substantially complete circles and which lie in one plane. Adjacent to the terminating points of the loops 12, 12, the end portions of the wire are bent downwardly as at 17 and thence backwardly to provide depending lugs 18, 18. From Figures 1, 2 and 3 it will be apparent that the weight of the milk bottles is supported by the loop members 12, 12, said loop members being maintained in encircling relation with respect to the necks of the bottles by the cooperation of the hook elements 17 with the radial straight portions 19 of the wire body of the carrier.

The wire, although having substantial stiffness, nevertheless is sufficiently resilient to allow the hook elements 17, 17 to be slightly opened up when the bottles are deposited on a table or other support and the weight is taken off the carrier, the opening up of the hook elements 17, 17 allowing said elements to be flexed out of engagement with the straight radial portions 19 of the wire and lifted upwardly above the portions 18, whereby the loop elements 12 are opened, allowing the loop elements to be disengaged from the necks of the bottles 11, 11.

The above-described operation is reversed when it is desired to secure the loop elements 12, 12 to the necks of the milk bottles preparatory to carrying said bottles. During use of the device, the resiliency of the hook elements 17, 17 maintains the upstanding lug elements 16 in contact with the straight radial portions 19, 19, whereby the hook elements 17, 17 maintain the loops 12, 12 in a locked condition. The weight of the bottles, acting through the top rims thereof, tends to force the opposing portions of the loop elements 12, 12 apart, whereby the grip of the hook elements 17 against the radial straight portions 19 of the wire is tightened. It is therefore apparent that the bottles cannot be released while being carried, and accidental breakage of said bottles is therefore avoided.

While a specific embodiment of a bottle carrier has been disclosed in the foregoing description, it will be understood that various modifications within the spirit of the invention may occur to those skilled in the art. Therefore, it is intended that no limitations be placed on the invention except as defined by the scope of the appended claims.

What is claimed is:

1. A bottle carrying device comprising a single piece of resilient wire having the portion adjacent each end bent inwardly to form a loop in the form of a substantially complete circle with the portion of said wire adjacent the terminating point of said loop being spaced from the adjacent portion of said wire for completely surrounding a bottle neck below a projecting collar on the latter, said loops lying in the same horizontal plane, each end of said wire adjacent to the terminating point of each loop being bent to provide a means engageable with the adjacent portion of said wire when the latter surrounds the bottle neck to thereby close the loop and retain said bottle neck.

2. A bottle carrying device comprising a single piece of resilient wire having the portion adjacent each end bent inwardly to form a loop in the form of a substantially complete circle with
the portion of said wire adjacent the terminating point of said loop being spaced from the adjacent portion of said wire for completely surrounding a bottle neck below a projecting collar on the latter, said loops lying in the same horizontal plane, each end of said wire adjacent to the terminating point of each loop being bent to provide a lug engageable with the adjacent portion of said wire when the latter surrounds the bottle neck to thereby close the loop and retain said bottle neck, and a handle rotatably supported on said wire intermediate said loops.

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